

About BEC Bapatla

The Bapatla Engineering College (Autonomous), one of the seven educational institutions sponsored by the Bapatla Education Society, was established in 1981 with a vision to impart quality technical education and is affiliated to **Acharya Nagarjuna University**. The College is a little away from the din and bustle of Bapatla, a town with a historic and hoary past, about 75 Km. south of Vijayawada on Chennai-Vijayawada rail route. The college offers B.Tech. Programs in 8 branches of Engineering- Civil, Computer Science, Electronics and Communications, Electrical and Electronics, Mechanical Engineering which are thrice NBA accredited Electronics and Instrumentation, Data Science and Cyber Security Engineering which are accredited twice and Information Technology which is accredited once. The college also offers 5 Post Graduate programs in Communication Engineering & Signal Processing, Computer Science, Structural Engineering, Power Systems and CAD/CAM.

About Bapatla:

Bapatla is a small town on the main railway line to Chennai. . Located in the Guntur district of Andhra Pradesh, Bapatla is calm and secluded haven by the sea. The beach is famous as 'Suryalanka' and is about 6 km from the main town. Home to an Air Force Station and several universities, it is renowned as a prominent educational research hub. With the rustic charm of its quaint environs, Bapatla promises to be a delight.

About The Department:

This Department was established in 1995 and now offering Diploma (DEEE) with an intake of 60, B.Tech (EEE) with an intake of 180 and M.Tech (Power Systems engineering) with an intake of 18. The department has Electrical Machines Lab, Computer Simulation Lab, Power Electronics Lab, Electrical Measurements Lab, Control Systems Lab, Micro processors Lab, Electrical Workshop Lab and Power Systems Lab with state of art equipment. The major equipment includes Power Network Analyzer, DSP Based Drives, Digital Storage Oscilloscopes, Cable Fault Locator, Thermal Image Camera, Numerical Relay Test Kit and Lab Volt Electromechanical Training kit. The Professional Software's available include PSCAD, ETAP, MATLAB, PSIM and MIPOWER. The students of the department have bagged 5 times University First Ranks and all India 4th, 11th and 12th etc. in GATE so far.

About the Program:

This program will be a platform to train the members towards Design, Implementation & Control of Electrical Systems and provide an avenue for research in the various fields of Electrical Engineering.

Objectives of the Program:

To Train the Participants in

- Introduction to MATLAB, Basic Converters, Modelling and Simulation of Converters, Rectifiers & Inverters.
- Introduction to PV System Configurations, Modelling and Simulation of PV System Configurations.
- Introduction to Classical, Intelligent and Optimized MPPT Techniques, Modelling and Simulation of a few MPPT Techniques (Conventional and AI based)
- Introduction to Fuzzy logic controller, Modelling and Simulation of Electric Circuits using Fuzzy logic controller
- Integration of Renewable Energy Sources to Electric Vehicle Systems
- AI Applications to Transmission Line Protection
- IOT-Machine Learning Applications to Transmission Line Protection Schemes

Resource Persons:

- **Dr. Mikkili. Suresh, NIT,Goa.**
- **Dr. G. Ravi Kumar, BEC,Bapatla.**
- **Dr. N. Rama Devi, BEC,Bapatla.**
- **Dr. J. Ravindra, BEC,Bapatla.**

Address for Correspondence:

*Convener, STTP-DICESM
Department of Electrical and Electronics,
Bapatla Engineering College,
Bapatla- 522101, Guntur Dist. A.P.*



One Week

Short Term Training Program

**on
"Design, Implementation and Control
of
Electrical Systems using MATLAB"**

3rd - 7th January, 2023

REGISTRATION LINK:

<https://forms.gle/LUNmJc1D69cuFhBt7>

REGISTRATION FEE:

No Registration Fee.

Eligibility:

Faculty members from AICTE approved Engineering Colleges, Working Professionals and practicing Engineers from various Research Organizations and Industries, Post Graduate Students, Under Graduate students of Electrical stream And Research Scholars Can Apply.

Important Dates:

Last date for Registration : 31-12-2022
Confirmation through mail : 01-01-2023

MODE OF CONDUCT:

HYBRID MODE

Advisory Committee:

Dr. N. Rama Devi, Ph.D., Professor
Dr. K. Ramesh, Ph.D., Assoc Professor
Dr. N. Karthik, Ph.D., Assoc Professor
Dr. Ch. Sridhar, Ph.D., Assoc Professor
Dr. K. Kamala Devi, Ph.D., Asst.Prof
Dr. P. Sampath Kumar, Ph.D., Asst.Prof
Dr. J. Pardha Saradhi, Ph.D., Asst.Prof
Dr. B. Vijaya Krishna, Ph.D., Asst.Prof
Dr. M. S. Dinesh, Ph.D., Asst.Prof

Organizing Committee:

Mr G.Rajesh, Asst.Prof
Mr. Ch. Hari Prasad, Asst.Prof
Mr G. Anil Kumar, Asst.Prof
Mr.B. Praveen Kumar, Asst.Prof
Mr. M. Suresh Babu, Asst.Prof
Mr. K.Rajendra, Asst.Prof
Mr. M. Sivaramakrishna, Asst.Prof
Mr. G. Sai Goutham, Asst.Prof
Mrs. M. Nagendra, Asst.Prof
Mrs. D. Nagalakshmi, Asst.Prof
Mr. P. Karimulla, Asst.Prof
Mr. S. Subrahmanyam, Asst.Prof

Chief Patrons:

Sri. Muppalaneni Srinivasa Rao
- President
Sri. Doppalapudi Rama Mohan Rao
- Vice-President-1
Sri. Gelli Dileep Kumar
- Vice-President-2
Sri. Manam Nageswara Rao
- Secretary
Sri. Kommineni Hari Padma Prasad
- Joint Secretary
Sri. Thalluri Ramakrishna Rao
- Treasurer

Patron:

Dr. Nazeer Shaik
- Principal

Convener:

Dr. G.Ravi Kumar
- Professor & HOD,
EEE Department

Co-Conveners:

Dr. J. Ravindra, Asst. Professor,
- EEE Department
Mr. N. Bala Krishna, Asst. Professor,
- EEE Department

Student Coordinators:

B Leela Sairam, 4th year EEE
Mobile: 9652662257
Shaik Hasan, 4th year EEE
Mobile: 7997119042
D Ruthvik, 4th year EEE
Mobile: 9849472321



One Week Online

Short Term Training Program

on

**“Design, Implementation and Control
of
Electrical Systems using MATLAB”**

3rd - 7th January, 2023



Organized by

**Department of Electrical & Electronics Engineering
Bapatla Engineering College :: Bapatla**

(Autonomous)

(Affiliated to Acharya Nagarjuna University)

Bapatla- 522101, Guntur Dist. A.P.

Phone:08643-224244, 224266, 225234

Fax: 08643 224246

E-mail:bec_principal@yahoo.com

Website:www.becbapatla.ac.in